

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1.-46. (Cancelled)

47. (Currently Amended) A process for secured distribution of at least one digital fixed picture~~pictures~~ in an original stream, wherein the picture includes ~~comprising~~ sequences of data that respectively contain each containing a part of information of the picture, the original stream being in a nominal compressed format based on wavelets, and the original stream including ~~comprising~~ wavelet coefficients, the process comprising:

modifying the original stream by modifying the wavelet coefficients to produce a stream modified in the same nominal format as the original stream; ~~and~~

generating complementary information including modified information from the original stream, the complementary information also including functions for reconstructing the original stream with the modified information; and

transmitting the modified stream and the complementary information to an addressee equipment for reconstruction of; ~~and~~

~~—constructing the original a reconstructed—~~stream from the modified stream and the complementary information with a decoder in addressee equipment, wherein the reconstruction is adaptive and progressive as a function of information associated with coming from a digital profile of the addressee equipment provided in the complementary information, ~~an addressee user.~~

48. (Currently Amended) The process according to claim 47, wherein the modification—modifying comprises producing~~produces~~ a modified main stream and the complementary information permitting reconstruction of the original stream by a decoder; the generating comprises determining a subset of the complementary information as a

function of information derived from a digital profile of the addressee equipment; and
the transmitting the modified stream also comprises transmitting to the addressee equipment ~~a the subset of the complementary information, which subset is determined as a function of information coming from a digital profile of the addressee.~~

49. (Currently Amended) The process according to claim 47, wherein
the modifying comprises producing a modification produces modified main stream and complementary information permitting reconstruction of the original stream by a decoder;
the generating comprises determining a subset of the complementary information as a function of information derived from a hardware profile of the addressee equipment; and
the transmitting the modified stream also comprises transmitting to the addressee equipment ~~a the subset of the complementary information, which subset is determined as a function of information coming from a hardware profile of the addressee.~~

50. (Cancelled)

51. (Previously Presented) The process according to claim 47, wherein the original stream has a property of scalability in resolution.

52. (Previously Presented) The process according to claim 47, wherein the original stream has a property of spatial scalability.

53. (Previously Presented) The process according to claim 47, wherein the original stream has a property of qualitative scalability.

54. (Previously Presented) The process according to claim 47, wherein the original stream has a property of spectral scalability.

55. (Currently Amended) The process according to claim 47, wherein the transmitting further comprises transmitting the modified main stream ~~is available onto~~ the addressee equipment prior

to transmitting the complementary information to the addressee equipment.

56. (Currently Amended) The process according to claim 47, wherein the transmitting further comprises transmitting part of the modified main stream ~~is available onto~~ the addressee equipment prior to transmitting the complementary information to the addressee equipment.

57. (Currently Amended) The process according to claim 47, wherein the transmitting further comprises transmitting the modified main stream and the complementary information are ~~transmitted together~~ in real time.

58. (Currently Amended) The process according to claim 48, wherein determining ~~determination of the~~ a subset of the complementary information includes determining the subset ~~is~~ based on scalability properties of the original stream.

59. (Currently Amended) The process according to claim 48, wherein determining a ~~determination of the~~ subset of the complementary information includes determining the subset ~~is~~ based on properties of granular scalability of the complementary information.

60. (Currently Amended) The process according to claim 48, further comprising determining ~~a wherein the~~ quantity of information contained in the subset based on ~~corresponds to a level of~~ scalability determined as a function of a profile of the addressee equipment.

61. (Currently Amended) The process according to claim 48, further comprising determining ~~wherein~~ information contained in the subset based on ~~corresponds to a level of~~ scalability determined as a function of a profile of the addressee equipment.

62. (Currently Amended) The process according to claim 48, wherein generating complementary information ~~includes generating the~~ complementary information ~~that~~ comprises at least one digital routine suitable for executing a function.

63. (Currently Amended) The process according to claim 4762, wherein the transmitting further comprises transmitting the functions ~~transmitted to addressee equipment~~~~addressees which functions are personalized-customized for each-the addressee equipment~~addressee as a function of a session.

64. (Currently Amended) The process according to claim 4847, wherein the generating further comprises encrypting the complementary information ~~is encrypted for addressee equipment~~ addressees as a function of the ~~a~~ session.

65. (Currently Amended) The process according to claim 478, wherein the generating further comprises subdividing the complementary information ~~is subdivided~~ into at least two subparts.

66. (Currently Amended) The process according to claim 65, wherein the transmitting further comprises transmitting the subparts ~~are distributed~~ by different media.

67. (Currently Amended) The process according to claim 65, wherein the transmitting further comprises transmitting the subparts ~~are distributed~~ by the same medium.

68. (Currently Amended) The process according to claim 4847, wherein the transmitting further comprises transmitting all or part of the complementary information ~~is transmitted on a physical vector~~.

69. (Currently Amended) The process according to claim 4847, wherein the transmitting further comprises transmitting the complementary information ~~is transmitted on-line~~.

70. (Currently Amended) The process according to claim 48, wherein the determining comprises updating information contained in the subset ~~is updated~~ as a function of behavior of the addressee equipment during connection to a server or as a function of habits or as a function of data communicated by a third party.

71. (Currently Amended) The process according to claim 48, wherein the determining comprises updating the quantity of information contained in the subset is ~~updated as~~ a function of behavior of addressee equipment during connection to a server or as a function of habits or as a function of data communicated by a third party.

72. (Previously Presented) The process according to claim 47, further comprising analog/digital converting data in a structured format, which is applied to an analog signal.

73. (Previously Presented) The process according to claim 47, further comprising transcoding a digital stream from any format to a format with scalability properties.

74. (Currently Amended) The process according to claim 47, wherein a plurality of digital fixed pictures constitute a succession of digital pictures ~~fixed in time~~.

75. (Currently Amended) The process according to claim ~~74~~47, wherein the modifying comprises applying different modifications of the data sequences ~~is different for~~ at least two pictures of a succession of pictures.

76. (Currently Amended) The process according to claim ~~74~~75, wherein ~~the applying different modifications of the modification of~~ data sequences of a picture of a succession of pictures include modifying ~~modification of~~ the data sequences of preceding pictures in temporal order of the succession based on properties of spatial and qualitative scalability of transformations in wavelets.

77. (Currently Amended) The process according to claim ~~48~~47, wherein granular scalability of the complementary information is based on qualitative, spatial and in-resolution scalabilities of streams stemming from a transformation in wavelets of the pictures.

78. (Currently Amended) The process according to claim 47, ~~which wherein~~ the process is performed without loss of picture quality.

79. (Currently Amended) The process according to claim 47, further comprising inserting, wherein, during reconstruction of the original stream, an indelible and imperceptible trace is inserted into the reconstructed original stream, which trace carries a non-ambiguous identifier.

80. (Currently Amended) The process according to claim 47, further comprising inserting, after reconstruction of the original stream, an indelible and imperceptible trace into the reconstructed original stream ~~picture-after-reconstruction-and-decoding of the original stream,~~ which trace carries a non-ambiguous identifier.

81. (Currently Amended) The process according to claim 79, further comprising detecting wherein the indelible and imperceptible trace ~~can be detected by an software that analyzes~~ reconstructed original stream ~~reconstituted content.~~

82. (Currently Amended) The process according to claim 79, further comprising authenticating a user with ~~wherein the non-ambiguous identifier authenticates a user.~~

83. (Currently Amended) The process according to claim 79, further comprising authenticating addressee equipment on which an reconstruction algorithm for reconstructing the original stream was executed with wherein the non-ambiguous identifier authenticates equipment ~~on which a reconstruction algorithm of the original stream was executed.~~

84. (Currently Amended) The process according to claim 79, wherein further comprising identifying a session opened by a user during the course of which reconstitution of the original stream is executed with the non-ambiguous identifier identifies a session opened by a user during ~~the course of which reconstitution of the original stream is executed.~~

85. (Currently Amended) The process according to claim 84, wherein further comprising realizing a scrambling session and descrambling session are realized under control of a secured server disguised as a selected third party.

86. (Currently Amended) The process according to claim 84, further comprising identifying wherein the session is identified by a secured server with a register that is configured to store comprising for the each session: an identifier associated with the information about session number, an identifier of a user or identifier of user-addressee equipment, and an identifier associated with content constituting subject matter of the session, and an identifier representing a date-time group.

87. (Currently Amended) The process according to claim 79, further comprising calculating a digital signature from the reconstructed original a reconstituted stream, wherein the inserted trace generates a unique and respective different signature for different ones of the each reconstituted streams, and the signature is stored on a secured server playing disguised as a selected third party.

88. (Previously Presented) The process according to claim 79, wherein a stream reconstituted by descrambling has the same visual quality as the original stream and exists in a usable form only if it carries said trace.

89. (Currently Amended) The process according to claim 79, wherein a stream reconstituted by descrambling exists in a usable form only if a digital signature extracted during an authenticity control is identical to a signature stored on a secured server ~~disguised as a selected third party.~~

90. (Currently Amended) The process according to claim 79, wherein the process is applied to an audiovisual digital stream that is coded according to stemming from a proprietary norm or standard.

91. (Currently Amended) A system for secured distribution of fixed digital pictures comprising a server that includes: -comprising means for broadcasting a modified stream according to claim 47, and- a plurality of devices provided with respective a descrambling circuits,

wherein the server also comprises means for recording respective a digital profiles of corresponding instances of the address equipment, ~~each addressee~~ and means for analyzing at least one digital the profile of at least one instance of addressee equipment to which each of the addressees of a the modified stream is transmitted, which analyzing means controls the nature of complementary information transmitted to ~~each of the addressee equipment~~ addressees.

92. (Currently Amended) The system according to claim 47, further comprising determining wherein a respective level (quality, quantity, type) of the complementary information ~~is determined for~~ at least one instance of addressee equipment ~~each addressee based upon a as a~~ function of the state of a profile associated with the addressee equipment ~~at a moment of viewing a main stream.~~